

Customer No.: 31561  
Application No.: 10/064,454  
Docket No.: 8327-US-PA

### REMARKS

#### Present Status of the Application

The advisory action, dated Aug. 12, 2004, has been carefully considered. Pursuant to 37 CFR § 1.114, Applicants respectively request continued examination of the present application in consideration of the above Amendments.

Upon entry of the amendments, claims 1-6 and 8-11 remain pending in the present application, with claims 1 and 8 are independent claims. The amendments in claims 1 and 8 are supported by, for example, specification, in paragraphs [0021] and Fig. 4.

Applicants believe that the foregoing amendments do not introduce new matter. The above claims are submitted to be patentable over the prior art of record for at least the reasons set forth below.

After entering the amendment in the claims, claim 1 is patentable over Becker in view of Mills and Pollak at least because *combination of Becker, Mills and Pollak* does not disclose, teach or suggest the feature of "...wherein said first section read address and said second section read address are compared respectively before they are combined" as claimed in claim 1. More specifically, the Becker does not teach the read address is received sequentially by a bus interface unit as a first and second section. In Mills, the multiplexed addresses 550 are steered by address mux 520, and the steered row and column are combined in address latch 530 and output as a single address 570 that can be provided as the single external address (column 13, lines 3-13). Accordingly, the single address 570 is provided after row address (first section read address) and column address (second section read address) both being received, and nothing is

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mentioned that the row address and the column address can be used in a separate way to perform any function that reduces operation time.

Considering Pollak, a string comparison algorithm is provided where characters are compared sequentially. However, although the characters of the string are received by using the method provided in Becker and Mills, no any evidence can be found in Becker, Mills and Pollak which teaches those with ordinary skill that the characters are compared before all characters are received. In other words, Pollak may provide a two step comparison, however, the two step comparison, according to Mills and Becker, are performed after the whole string is received. By using this different technique between the present application and the cited references, the present application saves more time than prior arts did.

In conclusion, *Becker and Mills compares data after data are totally received. Pollak is deemed to make the compare operation after the whole string being received because teachings of Becker and Mills are combined therewith, and no evidence support that the operation are compared before the data are totally received.*

Accordingly, combination of Becker, Mills and Pollak does not form the basis for all obviousness rejection on claim 1. Therefore, claim 1 is patentable over Becker in view of Mills and Pollak.

Since claim 1 is patentable over Becker in view of Mills and Pollak, claims 5-6, which depend on claim 1 and are rejected basing on the same prior arts, are patentable as a matter of law.

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Claim 8 is patentable over Becker in view of Mills and Pollak at least because the reason stated for claim 1 since both claims contains features that can be distinguished from those prior arts and is rejected basing on the same prior arts and reasons, respectively.

Since claim 8 is patentable over Becker in view of Mills and Pollak, claim 10, which depends on claim 8 and is rejected basing on the same prior arts, are patentable as a matter of law.

Claim 2 is patentable over Becker in view of Mills and Pollak, and further in view of Mann. Combination of Becker, Mills and Pollak does not form the basis for all obviousness rejection on claim 1 as set forth above. Further, Mann does not disclose the same feature of "...wherein said first section read address and said second section read address are compared respectively before they are combined" as claimed in claim 1, which is depended by claim 2. Therefore, the combination of Becker, Mills, Pollak and Mann does not render claim 1 obvious.

In other words, claim 1 is patentable over Becker in view of Mills, Pollak and Mann. Claim 2 is patentable over Becker in view of Mills and Pollak, and further in view of Mann as a matter of law at least because the reasons set forth above. For at least the same reason, claim 3 is found patentable over Becker in view of Mills and Pollak, and further in view of Mann as a matter of law.

Claim 4 is patentable over Becker in view of Mills and Pollak, and further in view of APA because claim 1 is patentable over Becker in view of Mills and Pollak as set forth above, and APA does not provide the technique of "...wherein said first section read address and

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said second section read address are compared respectively before they are combined" as claimed in claim 1, either. Accordingly, combination of Becker, Mills, Pollak and APA does not form the basis for an obviousness rejection on claim 1. Therefore, claim 4 is patentable over Becker, Mills, Pollak and APA as a matter of law.

Claim 9 is patentable over Becker in view of Mills and Pollak, and further in view of APA for the same reason as stated for claim 4. Therefore, claim 9 is patentable as a matter of law at least because the combination of those prior arts does not provide a rational reason to reject claim 8, which is depended by claim 9.

Accordingly, favorable consideration of the application, as presently amended, is respectfully requested.

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### CONCLUSION

In view of the foregoing, Applicants respectfully request continued examination of the above-identified patent application. It is believed that the pending claims 1-6 and 8-11 are in proper condition for allowance. If the Examiner believes that a telephone conference would expedite the examination of the application, the Examiner is invited to call the undersigned.

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Sept. 15, 2004

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